

ANIMAL INSECT CONTROL

Animal	Pest Problem	Insecticide Formulation	Method and Rate	Restrictions/Remarks
PREMISES	Fleas (premises)	<p>Often, animal treatment alone does not completely control severe flea infestations. Sanitation (removal of pet bedding, etc.) and insecticide application of the infested areas with an adulticide and an insect growth regulator mixture may be necessary.</p> <p>Adulticides Permethrin concentrates (several formulations available): Martin's permethrin 10, Permethrin II, Tengard SFR</p> <p>Cypermethrin concentrates (Martin's Viper Insecticide Concentrate and others)</p> <p>Bifenthrin Bug Blaster Bifenthrin 2.4 and others (Outdoor USE only)</p>	<p>Mix according to label directions. Can be mixed with an insect growth regulator such as Nylar or Precor – listed below.</p>	<p>Can be mixed with an insect growth regulator. Apply only as directed on the label.</p> <p>Outdoors: When treating outdoors, concentrate in areas where fleas are present. Presence of fleas in the yard can be confirmed by walking the area while wearing white socks pulled to the knees; fleas will be easily seen against the white background of the socks. It is not usually necessary to treat the entire yard. Fleas normally occur in areas where pets rest, sleep, and run such as doghouse and kennel areas, under decks, along fences and next to the foundation.</p> <p>Indoors: Use only products labeled for indoor use and apply only as directed on the label. Pets and humans should not be in the house during treatment and should not return until the spray has dried or as directed on the label. Apply where pets spend the most time. Treat pet bedding, rugs, area under pet bedding, under furniture and in cracks and crevices. Hardwood floors seldom require treatment, but the area should be vacuumed thoroughly.</p>
		<p>Insect Growth Regulators Nylar (pyriproxyfen): Martin's IG Regulator</p>	<p>Mix according to label directions. Can be mixed with an adulticide such as those listed above.</p>	<p>Can be mixed with an adulticide. Apply only as directed on the label.</p> <p>Outdoors: When treating outdoors, concentrate in areas where fleas are present. Presence of fleas in the yard can be confirmed by walking the area while wearing white socks pulled to the knees; fleas will be easily seen against the white background of the socks. It is not usually necessary to treat the entire yard. Fleas normally occur in areas where pets rest, sleep, and run, such as doghouse and kennel areas, under decks, along fences and next to the foundation.</p> <p>Indoors: Use only products labeled for indoor use and apply only as directed on the label. Pets and humans should not be in the house during treatment and should not return until the spray has dried or as directed on the label. Apply where pets spend the most time. Treat pet bedding, rugs, area under pet bedding, under furniture and in cracks and crevices. Hardwood floors seldom require treatment, but the area should be vacuumed thoroughly.</p>
		<p>Ready-to-Use IGR and Adulticide Mixtures (Precor Premise Plus, Vet-Kem Siphotrol Plus II Premise spray (aerosol): (S)-methoprene, permethrin, phenothrin, N-octyl bicycloheptene dicarboximide, piperonyl butozide)</p>	<p>Ready-to-use aerosol</p>	<p>Use only as directed on label. For use in the home, garage, kennel and commercial buildings. Cover aquariums before making applications. Pets and humans should not be in the house during treatment and should not return until the spray has dried or as directed on the label.</p>

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PREMISES	Fleas (premises) (cont.)	Prescription Treatment Ultracide Pressurized Flea IGR and Adulcicide (aerosol): pyriproxyfen, pyrethrins, N-octyl bicycloheptene dicarboximide, permethrin	Ready-to-use aerosol	Use only as directed on label. For use in the home, garage, kennel and commercial buildings. Cover aquariums before making applications. Pets and humans should not be in the house during treatment and should not return until the spray has dried or as directed on the label.
		Prescription Treatment Alpine Flea Insecticide with IGR (aerosol): dinotefuran, pyriproxyfen, prallethrin	Ready-to-use aerosol	
		Raid Flea Killer Plus Carpet and Room Spray (aerosol): pyrethrins, tetramethrin, piperonyl butoxide, N-octyl bicycloheptene dicarboximide, (S)-methoprene	Ready-to-use aerosol	
DOGS	Fleas, Ticks	Dusts, Sprays, Spot-ons and Collars GardStar Garden and Poultry Dust and others (0.25% permethrin dust)	Ready to use. Use 1/2 oz on dogs 20 lb and under. Use 1 oz on dogs greater than 20 lb.	Can be used to dust dog bedding and dog house. DO NOT use on puppies under 12 weeks of age. Use only on dogs.
		Hartz Flea and Tick Powder for Dogs (3.3% tetrachlorvinphos)	Ready to use. Use 1/2 ounce on small dogs, 1 oz on medium-sized dogs and 1 1/4 oz on large dogs.	Can be used to dust dog bedding – read label directions. DO NOT use on puppies under 12 weeks of age. Use only on dogs.
		Sergeant's Flea Powder for Dogs (2.0% piperonyl butoxide and 0.50% permethrin)	Ready to use. Follow label directions.	Follow cautions and age restrictions on the label.
		Preventic Tick Collar for Dogs (amitraz)	Ready-to-use collar. Follow label directions.	DO NOT use on puppies less than 12 weeks old. For ticks only.
		Permethrin II 10% EC (permethrin)	1 oz in 3-5 gal water. Use 1 qt on big dogs; 1 pt on small dogs.	Aerosol pest sprays are also available for controlling fleas and ticks.
		Expar 3.2% EC (permethrin)	Use 4 Tbsp in 1 gal water.	Dip, sponge or swab dog until thoroughly wet.
		Frontline or Parastar spot-on (fipronil)	Follow label directions.	Also controls ticks. DO NOT use on puppies less than 8 weeks old.
		Frontline Plus or Martin's Preferred for Dogs (9.8% fipronil and 8.8% methoprene)	Follow label directions.	DO NOT use on puppies less than 8 weeks old.
		Promeris for Dogs (metaflumizone and amitraz)	Ready-to-use spot-on.	DO NOT use on puppies less than 8 weeks old. For ticks, fleas, lice and demodectic mange mites.
		Parastar Plus (fipronil and cyphenothrin)	Follow label directions.	DO NOT use on puppies less than 12 weeks old.

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DOGS	Fleas, Ticks	Dusts, Sprays, Spot-ons and Collars			
		Sergeant's PreTect Squeeze-on (45% permethrin and 1.9% pyriproxyfen)	Follow label directions.	DO NOT apply to puppies less than 3 months of age.	
		Certifect for Dogs (fipronil, (S)-methoprene, amitraz)	Ready-to-use spot-on.	DO NOT use on puppies less than 8 weeks old. For ticks, fleas and lice.	
		K-9 Advantix (8.8% imidacloprid and 44% permethrin)	Ready-to-use spot-on. Apply 3 or 4 spots to the skin along the backline between back of the shoulders and base of the tail.	Purchase the appropriate formulation for the weight and age of your dog. Also repels mosquitoes and biting flies.	
		Organic Solution pet powder for dogs (pyrethrins, piperonyl butoxide and diatomaceous earth)	Work into hair of animal down to skin. Dust bedding. Repeat once a month.	Apply as directed on label.	
		GardStar 40% EC, Tengard SFR One Shot (permethrin)	4 oz/20 gal water (dip).	Make sure all areas are soaked to skin. DO NOT rinse off.	
		Oral Tablets			
		NexGard (afoxolaner)	Available through prescription only. Administer tablet every 30 days.	DO NOT use on puppies less than 8 weeks old.	
		Bravecto (fluralaner)	Available through prescription only. One tablet will last for 12 weeks.	Use only on dogs over 4.4 pounds or six months of age.	
		Simparica (sarolaner)	Available through prescription only. Administer tablet every 30 days.	Use only on dogs over 2.8 pounds or six months of age.	
		Fleas	Flea collars containing Vapona, Rabon, Chlorpyrifos, Baygon, Propoxur and other chemicals (permethrin)	Use as directed on label. Some animals are sensitive to collars.	Fleas are killed quickly. Ticks are tough and are killed slowly. They will usually be dead in 1-5 days. When bathing dogs, remove collar until dog is dry. Replace collar when effectiveness diminishes. Specially formulated dips for dogs are available for purchase.
		Also controls ticks	Vet-Kem PowerBand Flea and Tick Collar for Dogs (propoxur and (S)-methoprene)	Use as directed on label.	DO NOT use on puppies less than 12 weeks of age.
		Also controls ticks	Seresto Collar (flumethrin and imidacloprid)	Collar. Use as directed on label.	DO NOT use on puppies less than 7 weeks old.
	Also controls ticks	Hartz UltraGuard Plus Flea and Tick Collar for Dogs and Puppies (tetrachlorvinphos and (S)-methoprene)	Use as directed on label.	DO NOT use on puppies less than 6 weeks of age.	
		Synergized pyrethrins soap	Wet pet thoroughly. Apply soap and work up good lather. Let stand 5-10 minutes to kill fleas. Rinse.	The lather of this soap cleans, grooms and deodorizes as it kills fleas.	
		methoprene or Precor 1%	Follow mixing directions on label and combine with adulticide for best results.	Premise spray for control of fleas. DO NOT use on dogs.	
		methoprene 0.075% + permethrin 0.5% Ortho Total Flea Control	Follow label directions.	Medicated shampoos and dips labeled for use on dogs will often help reduce flea and tick problems.	

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DOGS	Fleas (cont.)	Comfortis (spinosad)	Chewable tablet. Follow label directions.	Available by prescription from licensed veterinarians.
		Advantage Spot-on (9.1% imidacloprid)	Ready-to-use spot-on. Apply 3 or 4 spots to the skin along the backline between back of the shoulders and base of the tail.	Purchase the appropriate formulation for the weight and age of your dog.
		Advantage Multi for Dogs (imidacloprid and moxidectin)	Ready-to-use spot-on.	Available by prescription only. Also labeled for treatment of intestinal parasites and heartworm prevention.
		Program Flea Control (lufenuron)	Oral.	Available by prescription only.
		Capstar tablet (nitenpyram)	Oral tablet.	DO NOT use on puppies less than 4 weeks old.
	Ear Mites	Malathion 5% aerosol spray can	Apply to the ears.	Repeat every 7 days as needed.
		Adams Pene-Mite, Eradimite and others (pyrethrins and piperonyl butoxide)	Ready-to-use drops.	DO NOT use on puppies less than 12 weeks of age.
		Ready-to-use permethrin or pyrethrin drops such as Mite-X and Ear-Rite		Apply as directed on label.
		Pet Care Ear Mite Solution (0.12% rotenone and 0.16% cube resins)	Ready to use.	DO NOT use on puppies less than 12 weeks of age.
CATS	Fleas	Pyrethrin 1% D	Lightly work material into the hair down to the skin. Repeat once a month.	Apply as directed on label.
	Also controls ticks	Bravecto spot-on (fluralaner)	Available by prescription only. One application lasts 12 weeks.	Use only on cats weighing 2.6 pounds or greater. DO NOT use on cats less than 6 months of age.
		Assurity (spinetoram)	Ready-to-use spot-on.	Apply as directed on label. DO NOT use on kittens less than 8 weeks of age.
		Organic Solution pet powder for cats (pyrethrins, piperonyl butoxide and diatomaceous earth)		Apply as directed on label.
	Also controls ticks	Adams Plus Breakaway Flea and Tick Collar for Cats and Kittens, Vet-Kem Breakaway Plus Fleas and Tick Collar for Cats and Kittens (propoxur, (S)-methoprene)	Use as directed on label.	DO NOT use on kittens less than 12 weeks of age.
		Flea collars containing Vapona, Rabon, Baygon and other chemicals	Use as directed on label.	Fleas are killed quickly. Ticks are tough and are killed slowly. They will usually be dead in 1-5 days. New flea collars can sometimes cause severe skin irritation around the necks of dogs and cats. Should irritation occur, remove the collar and place it in a quart jar with a screw lid. Put the collar back on the pet after 2 or 3 days.
	Also controls ticks	Sentry PurrScriptions Dual Action Collar for Cats (phenothrin and propoxur)	Collar. Use as directed on label.	DO NOT use on kittens less than 12 weeks old.
Also controls ticks	Seresto Collar (flumethrin and imidacloprid)	Collar. Use as directed on label.	DO NOT use on kittens less than 10 weeks old.	

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CATS	Fleas Also controls ticks	Frontline, EasySpot and Sentry Fiproguard (fipronil)	Spray or spot-on.	
	Also controls ticks	Frontline Plus, Martin's Preferred for Cats and Sentry Fiproguard Plus (fipronil and (S)-methoprene)	Available to use as a spot-on.	Apply as directed on label.
	Also controls ticks	Bio-Spot for Cats (5.3% pyriproxyfen)	Follow label directions.	DO NOT apply to kittens less than 12 weeks of age. DO NOT apply more often than every 3 weeks.
	Also controls ticks	Zodiac Spot-on for Cats and Kittens (S)-methoprene)	Follow label directions.	DO NOT apply to kittens less than 12 weeks of age.
		Promeris for Cats (metaflumizone)	Spot-on. Follow label directions.	DO NOT apply to kittens less than 8 weeks old.
		Advantage Multi for Cats (imidacloprid and moxidectin)	Follow label directions.	Available by prescription only. Also labeled for treatment of intestinal parasites, ear mites and heartworm prevention.
		Advantage II (imidacloprid and pyriproxyfen)	Follow label directions.	DO NOT use on kittens less than 8 weeks old.
		Program Flea Control (lufenuron)	Oral	Available by prescription only.
		Capstar tablet (nitenpyram)	Oral tablet	DO NOT use on kittens less than 4 weeks old.
		Ear Mites	Malathion 5% aerosol spray can	Apply to the ears.
		Advantage Multi for Cats (imidacloprid and moxidectin)	Follow label directions.	Available by prescription only. Also labeled for treatment of intestinal parasites, ear mites and heartworm prevention.
		Pet Care Ear Mite Solution (0.12% rotenone and 0.16% cube resins)	Ready to use.	DO NOT use on kittens less than 12 weeks of age.
		Ear Rite Miticide, Adams Pene-Mite, Eradimite and others (pyrethrins and piperonyl butoxide)	Ready-to-use drops.	DO NOT use on kittens less than 12 weeks of age.
BIRDS, CANARIES AND PARAKEETS	Mites	Pyrethrins + Piperonyl butoxide	Remove birds and spray entire cage.	Apply as directed on label.
	Lice	Pyrethrins + Piperonyl butoxide	Spray bird directly—hold aerosol 18 inches from bird; spray one burst 2-3 seconds.	Apply no more than 3 times per week.
RABBITS	Ear mites	Adams Pene-Mite, Eradimite and others (pyrethrins and piperonyl butoxide)	Ready-to-use drops.	DO NOT use on rabbits less than 12 weeks of age.
	Ear mites, fur mites and rabbit bots (<i>Cuterebra</i> spp.)		More effective treatments are available from licensed veterinarians.	Consult your veterinarian for other effective treatment options.